GOVERNMENT OF MADRAS.

Old Scott. II-28, New Scott. II-16—
71,006—28-1-55.

Public Works (1955) Department.

Endorsement
D.O.
Memorandum
Lodged

Letter No. 95769/54-7

Dated 7/6 1955

FURTHER PAPERS.

Department.	Number.	Series.	Date.

S. S. KOLKEBAIL, B.Sc., LL.B. Coondapoor, S. K.

95169

SECY., P.W.D.

Please examine.

D.O.

Minister

Camp: Madras,
1-12-1954.

Raja of Ramnad, Minister for Public Works,
Government of Madras, M A D R A S - 9.

Sub: MINOR IRRIGATION WORKS - In several villages - Udipi taluk, South Kanara district.

As you are aware, in the whole of the South Kanara district there are no major irrigation works started and maintained by the Government. Even minor irrigation works started in 1951, has also not made any appreciable advance in that line. This has really caused great hardship to the ryots in the district.

2. Even some of the works, which had been ordered to be investigated and estimated, have not been taken up by the Government in spite of the repeated memoranda submitted by me and people of South Kana District.

3. Sometime back I had written a letter to the Chief Engineer for Irrigation, but that letter of mine (dated 22-2-54) remains unanswered even to this day.

4. In South Kanara District there are several streams and rivalets and if they are properly dammed with vented dams or of similar types of dams, it will facilitate both irrigation and communication. The expenses involved for such a venture is very small, compared to the benefit the ryots get. I am sure, if you put up such dams we can increase not only food production but also help the ryots in raising more cash crops. As an experimental measure, some two years back the then South Kanara District Food Committee recommended the investigations of the following items of work in Shiriyar

p.t.o.

village, Udipi taluk, South Kanara District, i.e., putting up vented dams across a river called 'Sakathi' and for that work the villagers have also volunteered to pay even betterment levy irrespective of the cost. Accordingly, several supervisors, engineers and executive Engineers have inspected the locality investigated the whole scheme and I am told submitted the estimate also. But the work has had so far not been sanctioned or taken up. I on behalf of the ryots of that village request the Minister to order immediately the execution of these two dams and help the poor ryots. But otherwise, have to put up seasonal dams every year which costs them annually more than Rs.1,500/-. This is a recurring expenditure. Apart from these expenses, labour and waste of energy the ryots find difficult year after year to find the necessary earth and brushwood require to put such seasonal dams.

5. If these dams works are taken up I on behalf of the ryots of that village assure you that all the necessary cooperation, even voluntary labour will be given by the villagers. If these dams are found feasible and successful, then we can take up other dams in other villages. This is the only type of irrigation facilities you can give to south Kanara ryots.

6. My another request is to sanction the improvement to a 'madaga' (tank) in the Shiriyar village, Udipi taluk, South Kanara District. This tank was built about 200 years back by the ryots of the village. Its bund is about 7 furlongs in length and on the same is the District Board Road, which connects places like Barkur, Brahmawar, Halady and Coondapoor. The said bund of the tank is in great danger because of the great pondage in front and tremendous amount of leakage through the body of the bund. Hence, it is feared the bund may give away at any moment and the land below measuring about 200 acres will become useless even for first crop. If this bund is repaired rennovated it will have twofold advantage namely Irrigational facility to the ryots, and has got an ayacut of 200acres and communication facility to the villagers of about 50 villages. If this tank is repaired and the bund ~~has~~ strengthened the villagers are ready and willing to pay the betterment charges as contemplated in the Betterment Levy Act to be passed.

p.t.o.

As a matter of fact, the investigation of this tank was taken up some two years back and I am told the Estimates had also been sent up to the Government. But, somehow for no valid reasons it has been deferred. In view of the urgency and danger to the bund I once again request the Minister to sanction this work also, at an early date.

Hope the Minister will issue necessary orders immediately.

Yours very truly,

(S.S. KOLKEBAIL, M.L.A.)

P.W.D

say urgent

memo no. 95169 J/54-2 dt. 1

Sub. Irrigation. South Kanara
Udipi taluk
taking up minor
works.

Ref Letter dated 4.12.1954.
from Sri S.S. Kalkebail,
M.L.A., to M(W).

Extracts from the
letter cited are
forwarded to the C.E.
(GL). He is requested

PTO

H 1-3 c/f

paras 1 to 5 on
H 1-2 c/f

to have the matter examined and to submit a full report to get very urgently, explaining the details of the proposal & its present stage etc

7.1.1955

12.1.55

2.158

To the C.E (Elec) Design Branch with extracts of paras 1 to 5 on pp 1-2 of

CENTRAL DESPATCH BRANCH

Van.

Post.

Despatched by

Date 20/1/1955. Despatche's Initials.

7

PW-T

Very urgent

memo no. 95469 T/54.30, 2225

Sub:- Irrigation - South Kanara. Udipi taluk. taking up minor works

Ref. memo to the C.E.(Ol) no 95469 T/54.2 PW dt 15.

The attention of the C.E.(Ol) is invited to the reference cited and he is requested to submit his

Pt 5-6 cf

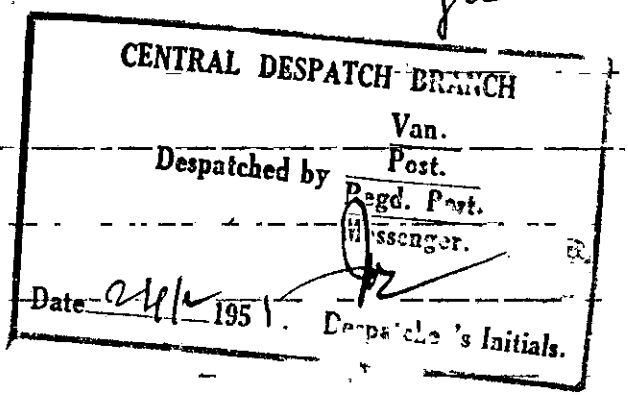
17

eport expeditiously
state when it
may be expected

21.2.55

N
8258

Volte C.E (General)
Irrign Branch



PUBLIC WORKS DEPARTMENT

From Sri
U. Ananda Rao, B.E., M.I.E.(Ind),
M.Am.Soc.C.E., I.S.E.,
Chief Engineer (General)
Irrigation Branch,
Chepauk, Madras-5

To
The Secretary to Government,
Public Works Department,
Fort St. George, Madras.

16244

28 FEB 1955

Letter No.1644/54 B-3 dated 25--2--1955

Sir,

Sub:-Irrigation - South Kanara district - Taking up minor irrigation schemes - regarding.

Ref:-Govt., P.W.D. Memo No. 95169 J/54-2 d/ 15-1-1955.

The conditions in the South Kanara district, in the West Coast, are generally different from those in the other districts and the rainfall in that district is by itself normally sufficient to ensure one crop even on lands where there are no facilities for storing water. Cultivation of second and third crops is obtained on low lying lands with the aid of water available in the spring ponds, or small tanks near the fields and from the rivulets and rivers by construction of temporary dams. Only in the recent past, construction of masonry dams in lieu of mud dams to avoid recurring expenditure and many other salt preventive works, found feasible, are being taken up for execution under G.M.F. campaign. The M.L.A.'s letter referred to in para 3 of the extract of the letter now forwarded by the Government with their memo cited, was received in this office and theSuperintending Engineer, Coimbatore circle was specifically instructed to see that as many minor irrigation schemes as possible in the district especially schemes of salt preventive nature such as replacement of mud dams by masonry ones, are taken up for execution under special minor irrigation programme. Besides, major schemes such as Bijur, Halady, Gurupur anicut, Bombrana anicut across Shiriya, Kattinahole reservoir, etc. are now under investigation in this district.

2. As regards the particular scheme viz. "Sakkathu Hole", referred to by the M.L.A., the Superintending Engineer, West Coast Circle, has just reported that the proposals received from the Executive Engineer, West Coast division, are being returned to him with certain remarks, as they were found defective. On receipt of estimate and plans from the Superintending Engineer, I will examine them and see if the scheme could be taken up for inclusion in the special minor irrigation programme.

As regards the improvements to "Shiriyarmadaga", it is reported that the scheme has been deferred by Government in G.O. Ms. No. 433 dated 31-1-54.
31-12-1953

T. V. Narayanamurthi. 25-2-55

for Chief Engineer (General)
Irrigation Branch.

tss. 25/2.

S. S. KOLKEBAIL, B.Sc., LL.B. Coondapoor, S. K.

Camp: Madras.
24-3-1955.

D.O.

To

Sri Raja of Ramnad, Minister for Public Works,
Government of Madras,
Fort. St. George, MADRAS-9

Sir,

On 4-12-1954 I had addressed a letter to you, Sir, requesting therein that certain irrigation works may be taken up in several villages, Udipi taluk, South Kanara District. I am sorry to note that the said letter had not been acknowledged even to this day and nothing has been done so far. Hence I am enclosing a copy of that letter for your perusal and to order immediate execution of the following works, namely:

Vented dams across 'Sakkattoo hole', Shiriyar village, Udipi taluk, and improvement of a Madaga (tank) in the same village. If the Government were not to take up the improvement of this "madaga", I am afraid, that there may be a breach in the coming rainy season and the paddy fields measuring about 500 acres may be wiped out. Further, the bund which serves as a road way, connecting several villages will be also, damaged. For these reasons I request the Minister once again that this work may be taken up immediately.

In your budget speech you were pleased to state that irrigation works in South Kanara District will be taken up provided they are brought to the notice of the Minister. In the case of South Kanara District apart from the three or four major irrigation works which are under investigation and referred to in your budget speech, the only important irrigation work that can be taken up and of use to the peasants in general is that of putting up 'vented' dams across several rivers and streams which intersect the district of South Kanara; it is a common feature in

12

South Kanara District to put up "seasonal" dams in the month of October annually, and the said dams get washed away in the month of June, soon after the rainy season sets in. Hence I request you, Sir, to post a special Executive Engineer and investigate into this matter and help the peasants of South Kanara District who have been neglected for the past 100 years.

Yours faithfully,

(S.S. KOLKEBAIL, M.L.A.)

Secy., P.W.D.

This letter may be acknowledged
The report of the C.E. may be obtained
and examined.

Minister (W) 28/3

Irrigation

Camp: Madras,
4-12-1954.

D.O.

Source MI-1-3-121

To

Sri Raja of Ramnad, Minister for Public Works
Government of Madras. MADRAS. 9

Sir,

Sub: MINOR IRRIGATION WORKS - In several villages - Udipi taluk. South Kanara district

As you are aware, in the whole of the South Kanara district there are no major irrigation works started and maintained by the Government. Even minor irrigation works started in 1951, has also not made any appreciable advance in that line. This has really caused great hardship to the ryots in the district.

2. Even some of the works, which had been ordered to be investigated and estimated, have not been taken up by the Government in spite of the repeated memoranda submitted by me and people of South Kana District.

3. Sometime back I had written a letter to the Chief Engineer for Irrigation, but that letter of mine (dated 22-2-54) remains unanswered even to this day.

4. In South Kanara District there are several streams and rivalets and if the/ are properly dammed with vented dams or of similar types of dams, it will facilitate both irrigation and communication. The expenses involved for such a venture is very small, compared to the benefit the ryots get. I am sure, if you put up such dams we can increase not only food production but also help the ryots in raising more cash crops. As an experimental measure, some two years back the then Sou Kanara District Food Committee recommended the investigations of the following items of work in Shiriyar

p.t.o.

village, Udipi taluk, South Kanara District, i.e., putting up vented dams across a river called 'Sakathi and for that work the villagers have also volunteered to pay even betterment levy irrespective of the cost. Accordingly, several supervisors, engineers and executive Engineers have inspected the locality investigated the whole scheme and I am told submitted the estimate also. But the work has had so far not been sanctioned or taken up. I on behalf of the ryots of that village request the Minister to order immediately the execution of these two dams and help the poor ryots. But otherwise, have to put up seasonal dams every year which costs them annually more than Rs.1,500/-. This is a recurring expenditure. Apart from these expenses, labour and waste of energy the ryots find difficult year after year to find the necessary earth and brushwood require to put such seasonal dams.

5. If these dams works are taken up I on behalf of the ryots of that village assure you that all the necessary cooperation, even voluntary labour will be given by the villagers. If these dams are found feasible and successful, then we can take up other dams in other villages. This is the only type of irrigation facilities you can give to south Kanara ryots.

6. My another request is to sanction the improvement to a 'madaga' (tank) in the Shiriyar village, Udipi taluk, South Kanara District. This tank was built about 200 years back by the ryots of the village. Its bund is about 7 furlongs in length and on the same is the District Board Road, which connects places like Barkur, Brahmawar, Halady and Coondapoor. The said bund of the tank is in great danger because of the great pondage in front and tremendous amount of leakage through the body of the bund. Hence, it is feared the bund may give away at any moment and the line below measuring about 200 acres will become useless even for first crop. If this bund is repaired rennovated it will have twofold advantage namely Irrigational facility to the ryots, and has got an ayacut of 20 acres and communication facility to the villagers of about 50 villages. If this tank is repaired and the bund has strengthened the villagers are ready and willing to pay the betterment charges rated in the Betterment Levy

As a matter of fact, the investigation of this tank was taken up some two years back and I am told the Estimates had also been sent up to the Government. But, somehow for no valid reasons it has been deferred. In view of the urgency and danger to the bund I once again request the Minister to sanction this work also, at an early date.

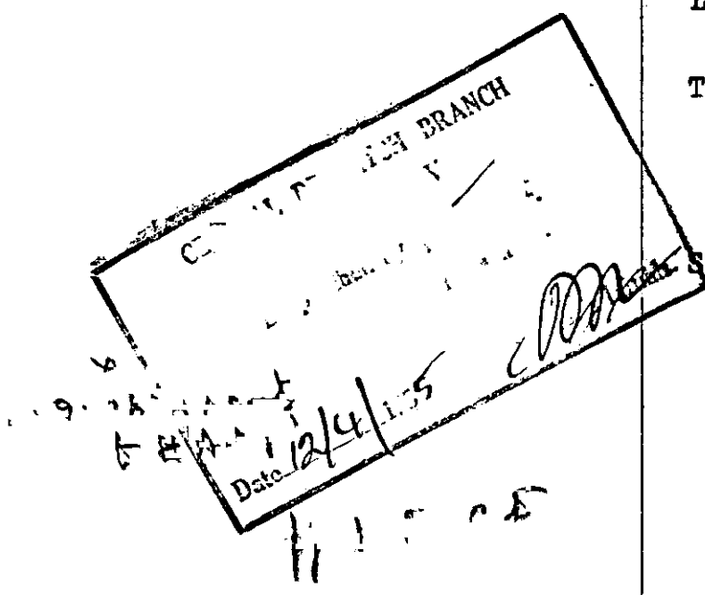
Hope the Minister will issue necessary orders immediately.

Yours very truly,

(S.S. KOLKEBAIL, M.L.A.)

P.W.(J1)

Letter No. 95169 V/54.5 dt 11.4.55



To

Sri S.S.Kolkebail, M.L.A.,
Coondapur,
South Kanara District.

Sir,

Sub:-Irrigation - South Kanara District - taking up major and minor works.

Ref:-Your letters dated 4-12-54 and 24-3-1955, to M(W).

I am directed to acknowledge the receipt of your letters cited and to state that the matter is receiving attention.

Y.f.

1.4.55
SR
4/4/55

9.4.55

Note:- The representation of the M.L.A. dated 4-12-54 had been received and a report ~~has been~~ obtained from the C.E. and examined. With reference to the request for taking up the work of improvements to Shiriyarmadaga, the file has been sent to A (F.P) for remarks. On receipt of the file, it is proposed to send a reply to the M.L.A. However, in view of X on p.1 c.f. this also may be sent to A(F.P) in continuation, after issue of the draft letter. A(F.P) may also be requested to expedite the return of the file.

(not sent to A(FP) as the file had been recd)

1.4.55
SR
4/4/55

9.4.55

Asst. (F.P) [illegible]

21

P.W.(J).

Letter No. 9516g.J/54.78 7.6.55

To Sri S.S.Kolkebail, M.L.A.,
Coondapur, S.Kanara District.

Sir,

Sub: Irrigation - South Kanara Dt. taking up major and minor works

Ref:-Your letters d/4-12-54 and 24/3/55 to M(W) and this department's letter dt.11-4-55.

I am directed to state that in your letters cited, the paucity of irrigation works in the South Kanara District has been mentioned and requests have been made for

(1) the appointment of an Spl. E.E. for investigation of small works,

(2) Construction of vented dams across Sakkati river, and

(3) Improvements to Shiriyar Madaga.

I am to say that the conditions in the South Kanara District, in the West Coast are generally different from those in the other districts, and the rainfall in that district is by itself normally sufficient to ensure one crop even on lands where there are no facilities for storing water. Cultivation of second and third crops is carried on on low lying lands with the aid of water available in the spring ponds, or small tanks near the fields and from the rivulets and rivers by construction of temporary dams. However, in the recent past, construction of masonry dams in lieu of mud dams (to avoid recurring

expenditure) and many other works to prevent ingress of sea water, found feasible are being taken up for execution under the Grow More Food Campaign.

A on p 9 cf.

The Chief Engineer has also since specifically instructed the Superintending Engineer to see that as many irrigation schemes as possible in South Kanara District, especially schemes to prevent ingress of sea water, such as replacement of mud dams by masonry ones, are taken up for execution under the Special Minor Irrigation Programme.

K, p. 9 cf

In the circumstances, the Government consider that there is no need for posting a Special Executive Engineer for investigation of small schemes in the South Kanara District.

para 5, p 8 ncf

2. Proposals for the construction of vented dam across Sakkathu Hole are under the scrutiny of local officers, and on receipt of plans and estimate from the Superintending Engineer, ~~the Chief Engineer would examine whether the scheme could be taken up for inclusion in the Special Minor Irrigation Programme~~ necessary action will be taken to sanction & execute the work decided upon.

para 2, p. 9 cf.

I am to add that/

3. The scheme for effecting improvements to the Shiriyar Madaga ~~was~~ had already been examined, but deferred in view of the fact that it would cost about Rs 41450/-

vide note on pp 23-25 cf in Ch. O. at (L)

× on p 37 & p 39 cf (L)

K on p 24 cf. ibid

23 3

GENERAL DESPATCH

Para 2 p23 c.f. W.L. 90-91 (1)

Initials.

for benefiting second crop on an extent of 46.06 acres of single crop wet lands and bringing under single crop cultivation an extent of 15.82 acres, ~~and yielding~~ is very poor ~~return of 0.144;~~ and that it does not deserve reconsideration.

Y.F.

Rs 124 c.f. land

Copy to the C.E.(1) w.r.t. his letter No. 1644/5 F.B-3 dt. 25.2.55

Copy to the Agri (F.P.) Deptt.

30/5/55

S.c. 2

30.5.55

31.5.55

3.6.55

SPECIAL.

Office of the Chief Engineer for Irrigation, Madras-5.
Memo No. 6123/55 M-1 dated 24th November 1955.

Sub:- Irrigation - South Kanara District - Special Minor Irrigation Programme - 1955-56 - Shiriyar Village - Udipi taluk - construction of vented dams at Sakkattu and Thingodi - Detailed plans and estimates

---

Ref:- From the Superintending Engineer, West Coast Circle No. 1424-I dated 14.9.55.

The plans and estimates amounting to Rs.38,700 for the construction of two vented dams one at Sakkattu for Rs.21,000/- and the other at Thingodi for Rs.17,700/- are herewith returned administratively approved with the following remarks.

In the data for concrete 1:4:8, 95 c.ft. of ½" broken stone is adopted. But only 92 c.ft. should be adopted when the mortar mix is 50% of the aggregate.

2) The expenditure on the work is debitable to "68 construction of Irrigation etc., works - Irrigation works Unproductive works under Special Minor Irrigation Programme".

3) The Superintending Engineer should sanction the estimate technically and direct the Executive Engineer to put the work on hand, so as to show good progress before 31.3.56.

4) Fortnightly Progress reports on the scheme should be submitted in accordance with the instructions issued in Chief Engineer's No. 3847/50-ME dated 2.11.51.

5) The Superintending Engineer is requested to apply for provision of necessary funds in due course.

U. Ananda Rao,
Chief Engineer for Irrigation.

To
The Superintending Engineer, West Coast Circle, Coimbatore.

Encl:
1 Detailed estimate for Rs.21,000/-
1 Detailed estimate for Rs.17,700/-
1 Consolidated abstract for 38,700/-
1 Ayacut statement in 4 sheets.
Plans S.K.Nos. 33 to 40/54 and 173 to 180/54
1 Proforma statement.
1 Written statement of the ryots.

J

- 2 - 1918

ASSISTANT SECRETARY GOVT. 6-DEC 1955 PUBLIC WORKS DEPARTMENT

Endorsement No. 6123/55 M-2 dated 24th November 1955.

Copy to the Secretary to Government (Ex-Officio) (Food Production) Department for information.

2. A copy of the estimate as administratively approved by me is herewith sent together with proforma statement.

U.Ananda Rao,
Chief Engineer for Irrigation.

To

The Secretary to Government (Ex-Officio),
Agriculture, Food Production Department.

Encl: 1) One Estimate with report
2) One proforma.

Endorsement No. 6123/55-MEP dated 24th November 1955.

Copy to the Secretary to Government, Public Works Department with reference to correspondence ending with para 2 of Government letter No. 95169-J/54-7 dated 7.6.55.

for Chief Engineer for Irrigation.

To

The Secretary to Government, Public Works Department.

Encl: 1) One estimate with report.
2) One Proforma.

To A.S

May be lodged and filed with Letter No 95169 J/54-7 7.6.1955 at (F)

Report to accompany the estimate for construction of a low vented dam across Shiniyara River at Sakkattu in Shiriyara village, Udipi Taluk.

.....

Estimate ~~Rs . x22bc,000/-~~ Rs. 21,000/-

....

The stream across which the low vented dam is proposed takes its birth in the village limits of vandar and kakunji and flows in w-esterly direction and joins the river Bakur which empties into the Arabian Sea. The stream is called Shiriyara river and it flows in the middle of the paddy fields throughout its cours-e. It is ascertained tha t the stream flows freely during summer months. The ryots are putting up mud bunds across the s-tream at many places and thus they store water and utilise it for raising s econd crop by baling and also by direct flow to some extent.

As a place called sakkattu on the course of this stream, there is an existing foot bridge of two spans of 19 feet each. The ryots usually put up mud bund here only to store w-ater for raising second crop on their paddy fields. It is observed that the ryots put up mud bund with brushw-ood and earth which will have to be procured from a long distance. The bunds will be usually put up by the end of October. The second crop is raised by baling out water in an extent of 56.18 acres. The ryots will have to repeat the op eration of putting up the mud bund every year w-hich entails considerable manual labour. If any unexpected flood occurs after the bund is put up, it gets breached and the crops suffer, if the bund is not made up soon after.

Thus the ryots represented to provide a permanent remedy against such hardships caused by nature by constructing a vented dam. The investigation and the preparation of plans and estimate has been approved in Superintending Engineer's No.669 SK dated 5-8-50. With reference to the representation made by the ryots it is now proposed to construct a vented dam at the site.

A surplus channel takes off at the proposed site of the dam on the left flank, through which the excess water will be let doen when the mud bund is formed, if there were to be any stray rains, and when the ryots require more water, it is customary to throw a bund acros-s this course also. The ryots have agreed to repeat the same op-eration at their own cost even after the vented dams are put up. It is now proposed to construct a vented dam at the site of the existing foot bridge with its body wall crest at 84-00. The abutments and middle pier will be extended on the upstream side as p er the design and the abutments and the piers will be taken up to R.L.94.5. The usual level upto which the ryots store water is 94.00 and the same level is retained. The existing earthen bund starting from the right abutment finally merges into a fairly big bund, which is in between paddy field and right margin of the river. This will be strengthened keeping its top at 97.00 and top width 4'-0" w-ith a side slop e $1\frac{1}{2}$ to 1 in front and rear. the front slope will be completely revetted upto 97-00. The length of the bund to be strengthened is 90 feet and provision has been made for this in the estimate.

The foot bridge consists of two vents of 19 feet each. The existing bridge p-ier will be improved to fit in with the design as shown in the plan. Only one row of needle shutters w: be placed in position in between the guide beams. This will be installed as soon as the ryots find the necessity for storing water to begin agricultural operations and will be removed before monsoon sets in. These operations will have to be repeated by the ryots themselves.

The designs of the dam is as per plans and hydraulic calculations enclosed. The dam is not designed to discharge the

maximum floods as the flood water will spread on the whole area adjoining the stream. On account of backing up of water no paddy fields w ill be submerged on the upstream side. The ryots have formed a fairly strong bund along the margin of the river above 94.00 level.

By the construction of the above vented dam an additional 32.50 acres is going to be benifitted besides assured supply of water to an extent of 56.18 acres as p er ayacut register and ayacut map enclosed.

The execution of such schemes will give impetus to ryots to produce more food and help the country to tide over the shortage of food grains.

Sd. M. Venkataraman,
Executive Engineer, S.Kanara
Division.

/True Copy/

ESTIMATE FORM.

		Rate	Per.	Amount.
1. L.S.	Ba ling out water whenever necessary.		L.S.	400/-
2. 8000 C.ft.	Earthwork excavation for foundation in soft laterite rock.	23/14	1000 C.ft	191/-
3. 5250 C.ft.	Concrete broken stone in C.M. 1:4:8 using hard broken granite metal 1½ gauge.	118/-	100 C.ft.	6195/-
4. 4100 C.ft.	Random rubble in C.M. 1:4	107/-	-do-	4387/-
5. 1500 S.ft.	Pointing with C.M.1:4	10/-	100 S.ft.	154/-
6. 90 C.ft.	Teak wood planks 0-3" thick wrought and put up.	20/-	1 C.ft	1800/-
7. 38 C.ft.	Teak wood scantling wrought and put up.	18/-	1 C.ft.	684/-
8. 4 Nos.	Providing I section rail and guide beam at 1/3 height in rear.		L.S.	300/-
9. 1100	Tarring new wood work with coal tar 2 coats.	5/-	100 S.ft	55/-
10. 6650 C.ft.	Rought stone dry packing for revetment.	43/-	100 C.ft.	2860/-
11. L.S.	Strengthening the existing bund to the right side and filling up patches behind the abutments dismantling the revetment., and providing revetment with old stones variations in soil and extra leads and lift for earth work etc.		L.S.	2975/-
12. L.S.	Contingencies and petty supervision charges 5%		L.S.	Rs. 1000/-
			Total....	Rs. 21000/-

.....

/True Copy/

SV. 24-11-

Report to accompany the estimate for the construction of a low vented dam across Shiriyara river at Thingodi, Shiriyara Village, Udipi Taluk.

Estimate Rs. for work Rs. 17,700/-

The Shiriyara river takes its origin in Vandar village limits and flows in the midst of flat paddy fields throughout its course and finally joins into Barkoot river. Throughout the length of this river, the ryots put up mud bunds annually at various places for agricultural purposes.

The proposed site for a dam is at Thingodi in Shiriyara village. This site is about 200 ft. down stream side of the site where the ryots usually put up the mud bund. This particular site is selected in view of the fact that the cost will be much less as the river course higher up is wider and irregular. The ryots are experiencing lot of difficulties to construct the mud dam annually as the required brushwood is to be fetched from fairly distant places. The construction also involves lot of manual labour. Besides the construction of a low vented dam will give assured supply of irrigation water and there is no risk of it getting breached during times of unexpected flood as in the case of a mud bund. Therefore, the ryots represented to the authorities to construct a permanent masonry dam and consequently the investigation of this scheme was approved in Superintending Engineer's No. 669 SK dated 5-8-50.

The proposed dam is a low vented one with needle shutters. A vent of 4 feet width is provided on the left flank to let out excess water. The F.R.L. is 97-00. At present, the ryots by means of mud bund raise the water upto 97-00 and therefore the same level is proposed. The crest of the body wall is kept at 87-00 and it is almost in level with the bed at the site. The length of apron provided both downstream and upstream is 20 feet.

The foundation is of concrete broken stone in cement mortar and the masonry work is of Random rubble in cement mortar 1:4. The down stream wings are given a splay of 1.6" to facilitate easy flow of water. The sides of the river course beyond down stream apron will be pitched with rough stone if found necessary during execution and a lump sum provision is made in the estimate for providing I section beams along the 2 spans of 11'-0" each.

The design of the dam is as per plans and hydraulic calculations enclosed. The dam is not designed to discharge the maximum flood as the flood water is spreading over the whole area adjoining the stream during times of floods and not confining to the stream course.

At present an extent of 48-60 acres is being raised under II crop. The additional ayacut proposed under the scheme is 39.12 acres. The execution of such schemes will give impetus to ryots to produce more food and help the country to tide over the shortage of food grains.

Sd. M.Venkattaraman.
Exe. Engr., South Kanara Division.

/True copy/

Bv.24/11.

Circle; Coimbatore.
Division: - South Kanara.
District: - South Kanara.

Estimate form - Abstract.

Item No.	Quantity.	Description for work.	Rate-per,	Amount.	Total.
1.	16 units.	Earthwork excavation in soft Laterite withinitial lead and lift for foundation. For date vide estimate for constructing a low vented dam at Sokkattu.	23/14	1000 C.ft.	382/-
2.	53 units.	Concrete broken stone in C.M. 1:4:8 using 1½" granite jelly.	118/-	100 C.Ft.	6254/-
3.	63 units.	Random rubble in C.M. 1:4	107/-	100 C.ft.	6741/-
4.	25 units.	Flush pointing the exposed sinfaces of the masonry with C.M. 1:4.	10/24	100 C.ft.	2561/-
5.	75 C.fts.	Teakwood planks 0'-3" thick wrought and put up.	20/-	C.ft.	1500/-
6.	16 C.ft.	Teak wood scantlings wrought and put up.		18/C.ft.	288/-
7.	1000 S.ft.	Tarring with coal tar, two coats the wooden work.	5/-	100 S.ft.	50/-
8.	7 units	Rough stone dry packing for revetments.	43/-	100 C.ft.	301/-
9.	L.S.	Providing guide beams of I section 6" X 3"-13' length 2 Nos. and 6" X 3" 3"-6' length 1 No.			300/-
10.	L.S.	Rough stone dry packing in continuation of down stream returns if found necessary during execution.			300/
11.	L.S.	Unforeseen items and variation of soils including cost 3/4" M.S. rods and extra leads and lifts for earth works			500/-
12.	L.S.	Contingencies and petty supervision charges.			828/-
				Total.	Rs.17,700/-

ANNEXURE.

Vented dams at Sakkattu and Thingodu - Shiriyara Village.

1.	Serial No.	21
2.	Name of village	Shiriyara
3.	Name of source Mark 'G' inam 1. Zamin z - (senim taken over 2 (T)	Government.
4.	Registered ayacut.	Nil - An extent of 104.78 acres are being raised with 2nd crop new.
5.	Average actual cultivation	104.78 acres under II crop.
6.	Gap in acres	---
7.	Free.	~~~
8.	Combined	17.58 Sq.Miles.
9.	Equivalent (free catchment plus 1/5) catchment area intercepted catchment col. 7 plus 1/5 of column (8-7)	This is not a storage tank scheme and hence not furnish
10.	Total monsoon rainfall	about 140" average.
11.	Yield per square mile of catchment whether the catchment is treated as good average or bad should be noted within brackets).	120 M.cft. (good)
12.	Yield from catchments (col.9 X11)	This is not a storage tank scheme.
13.	Normal flow in cusecs.	Gauging have not been conducted. From observations it is seen that flow is about 5-8 cusecs in January.
14.	No. of days supply is assured.	Right through secondcrop season as observed by the ryots for the past several years.
15.	Supply in M.cft.	---
16.	Total yield from catchment and supply channel etc. cols 12+ 15	This is not a storage tank scheme.
17.	Existing in M.cft.	---
18.	Proposed in M.Cft.	4.50 m.cft.both sites together of 1.60 m.cft. at Thingodu site only.
19.	No. of fillings proposed and annual storage in m.cft. in the case.	This is not a storage tank scheme.
20.	Irrigable area (catchment duty adopted should also be noted)	104.78 acres now being raised 71.62/ 176.40 acres additional ayacut.

..2..

21.	Ultimate ayacut fixed.	71.62 acres of additional ayacut.
22.	Area benefitted.	71.60 acres plus stabilisation supplied for 104.70 acres of existing 2nd crop.
23.	Tonnage (how the tonnage is arrived at should be indicated)	37.9 tons vide collectorate report No.L.Dis 13133/54. dated 14-12-54.
24.	Estimate amount Rs.	Rs.30,700/-
25.	Amt Rs. or 6% Rs.	As be ascertained.
26.	Rate per ton Rs.	Rs. 1,021/-

27. Remarks: Note here whether any existing irrigation interests will be affected and ample credit has been taken for land acquisition charges and abatement of land revenue.

Existing irrigation interests will be benefitted inasmuch as the supplies for water required for the 2nd crop by the construction of the wanted dam. No existing riparian rights are interfered with. There will be no necessity for acquiring land.

x.....

Office of the Superintending Engineer,
.....,
West Coast Circle, Coimbatore.

...

(True Copy)

Superintendent.

Asst.24.11.

26/11

P.W.D.

No. 75162 V/54 — Sub. Irrigation South Kanara. Udipi taluk. Tahina. up minor works.

pp 1-3 cf — Ref. Letter dt 4.12.54 from on S.S. Kolkebail, M.L.A. to M(W) Minutes of M(W). Secy P.W.D.

Please examine.

S.R. 8.12.54

To A.S.

The letter from the M.L.A. on pp 1-3 cf and the minutes of M(W) thereon extracted above may be perused.

2. It is presumed that the scheme mentioned at A on pp 1-2 cf refers to the Bombrana Anicut scheme across the Shiriyar river, which has recently been deferred by the Govt in the A(F-P) dept. The other scheme at B on p 2 cf viz Improvements to madaga in Shiriyar village, has been dropped in Govt Lr 433 A(F-P) dt 31-1-1955.

3. The case may first be sent to A(FP) for remarks. They may value over the file for further action

10/12/54

J

if the presumption is correct.

10/12/54

17.12.54 Agri (F.P.)

Agri (F.P.) Deptt

A.S.

Please see the notes from p. 1 ante.

2. A at p. 1-2 c/f. There are no papers with this dept regarding the scheme referred to P.W.D. may perhaps consult the S.E.

B at p. 2 c/f. The scheme was dropped pending further investigation by the C.E., after personal inspection of the site. The C.E. (Central) Irrigation. Branch has sent a copy of his notes & inspecting the site and has promised a further report, which is awaited.

3. With these remarks, the file may be returned to P.W.D.

29/12/54

3.1.55

30/12/54.

A.S.

P.W.D. No. 95169 J/54-1

20/12/54

BOARD OF REVENUE 21 DEC 1954 36488 FOOD PRODUCTION

A

M

(Director Irrigation)

BP 21 DEC 19

A.S

P.W.D

Agri (F.P.) Deptt

36488/54-1

4-1-55

Part-II

The notes of A(FP) above may be perused

ASSISTANT SECRETARY GOVERNMENT 4 - JAN 1955 PUBLIC WORKS

with reference to 'A' on p 2 ante, a draft memo to the C.E. is submitted for approval

8/1 7.1.1955 2.135

12.1.55

(Memo to the Chief Engineer No.95169 J/54-2. dated 15-1-1955.)

(From the Chief Engineer (General) No.1644.54. B3 dated 25-2-1955.)

...

Ih his letter on p.1 c.f. Sri S.S. Kolkebail, M.L.A., has referred to the paucity of irrigation works in the South Kanara District and has requested that vented dams may be put up across the Sakkati river and that improvements may be carried out to the madaga (tank) in Shiriyar village, Udipi taluk.

2. The Chief Engineer, who has been consulted in the matter, has in para 1 of his letter on p.9 c.f., pointed out the peculiar conditions for taking up irrigation works in the South Kanara District. He has also stated that as many Minor Irrigation Schemes as possible in the District, especially schemes to prevent influx of sea water, such as replacement of mud dams by masonry ones, are taken up for execution under the Special Minor Irrigation Programme and that besides, major schemes such as Bijur, Halady, Gurpur anicut, Bombrana anicut across Shiriyar, Kattinahole reservoi etc. are now under investigation.

3. As regards the construction of vented dams across Sakkati river, he has stated that proposals are under the scrutiny of local officers and that on receipt of plans and estimate, from the S.E. West

Coast Circle, he would examine whether the scheme could be taken under the Special Minor Irrigation Programme.

4. The scheme for improvements to Shiriyar madaga has been deferred in G.O.Ms.433, Agri (F.P.) dated ~~31-1-1954~~ 31.12.1953. Agri (F.P.) Department may be requested to put up the G.O. and offer their remarks in the matter. They may also state whether it would be worthwhile to reconsider the question, in view of the request of the M.L.A.

P3a(L) para

Agri (F.P.)

Agri (FP) Dept

A.S

[Last seen by this dept at P 2 ante]

2) Pl. see the notes of the PWD at pp 3-4 ante: The file has been sent to this dept for remarks with ref to the scheme for improvements to Shriyar Madagu. This scheme was already investigated by the CE (GMF) and finally deferred by the Cabinet Committee for Food Production and orders were issued in G.O Ms 443, Agri (FP) Dept, dy 31.12.53

3) The scheme in question is expected to bring under second crop cultivation an extent of 46.06 acres of single crop wet land besides bringing an extent of 15.82 acres under

P.T.O.

Pr memo 95-169 V.[55 4

21-3-55

BOARD OF REVENUE (II) 23 MAR 1955 1833 FOOD PRODUCTION

Para 4 memo

Pn 1-14 of (L)

(G.O 433 Agri (FP) dt 31/12/53)

XP 37 of (L)

Pn 39 to 41 of (L)

23 MAR

Para 2 to 27 of (L)

Para 3 of (L)

single crop cultivation. The additional production is 31 tons annually. The gross addl revenue anticipated from the extent of 46.06 acres to be converted into second crop cultivation amounts to Rs 63/- The gross and the net returns work out to 0.15% and 0.14% respectively. The scheme was thus highly unremunerative and as it would bring under second crop cultivation an extent of 46.06 acres, it was proposed to take up the scheme for execution under Madras Act XIX of 1949 and to recover the cost of the work from the beneficiaries, such recovery being ultimately set off against the betterment levy proposed. However, the Cabinet Committee for Food Production at its meeting held on 30.11.53, did not approve the scheme. Hence, there is no fresh point in Sri Kolkebail's report that the people in the locality are willing to pay the betterment fee contemplated. In the circumstances it is not deserving of reconsideration.

P 33 of (L)

Fl ~ p29 of (L)

A

X P 37 of (L)

R

4. With reference to M on P2 ante, it is submitted that the CE has since submitted an estimate for Rs 4/- lakhs for works for the scheme for sanction, under Spl M.I Programme. The Coll's report is awaited. On its receipt and examination, the question of sanction to it under the Spl. M.I Programme by placing it before

S

P.T.O

the Cabinet Committee for Food Production will be taken up.

5. With these remarks, the file may be returned to PWD.

MR 28/3 — 29/3/55

29.3.55

D.S. (Eco)

AS.2 — D.S.(CO) | PWD

P.W.D. — 28/3/28

ASSISTANT SECRETARY TO GOVERNMENT — 6 - APR 1955 — PUBLIC WORKS DEPARTMENT

P.W.D — 1833 | 55-1 — 5.4.55

P.W. Department (CP)

Sub: Irrigation - South Kanara District - taking up major and minor works.

Ref: Letters dated 4-12-1954 and 24-3-55 from Sri S.S.Kolkebail, M.L.A. to M(A) From the C.E.(Gl.) No.1644-54-B3 d/25-2-1955.

M 1-3 and 11-12 F. p 9 c f

Minutes of M(W).

Secy. P.W.D.

Please examine.

S.R. 4-12-1954.

M p 1 c f

Secy. P.W.D.

The letter may be acknowledged. The report of the C.E may be obtained and examined.

S.R. 28-3-55.

Acknowledg vide p 19 c f

1 - B p 12 c f

To A.S.

In his letters to M(W), Sri S.S.Kolkebail, M.L.A. has referred to the paucity of irrigation works in the South Kanara District and has requested

c p 1 c f

(1) that a Spl. E.E. may be posted for investigation of schemes and for construction of small dams across rivers in District

y pp 11-12 c

(2) that vented dams may be put up across Sakkati

para 4 pp 1-2 c

river and;

(3) that the work of improvements to Madaga (Tank) in Shiriyar village Udipi Taluk, may be sanctioned for execution.

He also states that the ryots under the Shiriyar Madaga are willing to pay betterment contribution towards the cost of the improvement work.

2. The requests have been examined in consultation with the C.E.(Gl.) and the A (F.P) Department.

3. As regards the complaint of paucity of irrigation works in the South Kanara District, the C.E. has stated that the conditions in that District are generally different from those in other districts, that the rainfall in that district is by itself normally sufficient to ensure one crop even on lands where there are no facilities for storing water and that cultivation of second and third crops is obtained on low lying lands with the aid of water available in the spring ponds, or small tanks near the fields and from the rivulets and rivers, by construction of temporary ~~mud~~ dams. However, in the recent past construction of masonry dams, in lieu of mud dams, to avoid recurring expenditure and many other works to prevent ingress of sea water, ~~and~~ are taken up in the District. The Chief Engineer has also since instructed the Superintending Engineer to see that as many minor irrigation schemes as possible, especially schemes to prevent ingress of sea water, such as replacement of mud dams by masonry ones, are taken up under the Special Minor Irrigation Programme.

4. Besides the above, major schemes such as Bijur, Halady, Gurpur, Bombrana, Kottinahole, are under various stages of investigation and examination. The question of sanctioning these schemes will be considered on receipt of complete reports together with plans and estimates.

5. In the circumstances stated in para 3 above there seems to be no need to appoint an Executive Engineer for investigation of small schemes as proposed by the M.L.A.

6. As regards the construction of vented dams across the Sakkati river referred to by the M.L.A., the C.E. has stated that proposal for the same are under scrutiny of local officers and that on receipt of plan and estimates from the Superintending Engineer, he will examine whether the scheme could be taken up under the Special Minor Irrigation Programme.

7. The other scheme viz. improvements to Shiriyar Madaga referred to by the M.L.A. had already been investigated. The Shiriyar tank (Madga) lying in S.No.213/1 of Shiriyar village, gets completely filled up to about 1' below the adjoining road level and surplusses over the road on the right flank during the south west monsoon. The sluices are of a crude type and leaky. After the rains stop, water is continuously flowing through these sluices which the ryots are not able to stop; with the result that at the commencement of the second crop season, the water in the tank goes down by 5 to 6 ft. below the F.T.L. It was therefore proposed to retain the road adjoining the tank as it was, and form the bund in front of the road and provide a road drain at the junction of the bund and the road. It was also proposed to provide proper surplussing arrangements and to replace the two sluices with a lower head sluice.

8. The scheme was expected to bring under the second crop cultivation an extent of 46.06 acres of single crop wet lands, besides bringing an extent of 15:82 acres under single crop cultivation. The additional food production anticipated was 31 tons annually. It was estimated to cost Rs 32,000/-

for works and Rs 41,450 including direct and indirect charges. The gross additional revenue expected from the extent of 46.06 acres to be converted into second crop cultivation amounted to Rs 63 and the gross and net return worked out to 0.15% and 0.14% respectively.

9. As the scheme was highly unremunerative and would benefit second crop cultivation on an extent of 46.06 acres forming part of the tank ayacut, it was proposed to take up the scheme for execution unde the Madras Irrigation (Tanks Improvement) Act, 1949, and to recover the cost of the work from the beneficiaries, such recovery being set off against the betterment levy proposed. However, the Cabinet Committee for Food Production, at its meeting held on 30-11-53, did not approve the scheme. The scheme was therefore deferred in G.O.Ms.433 A (F.P) 31-12-53.

10. A (F.P) now state that there is no fresh point in the M.L.A's statement that the ryots are willing to pay betterment contribution towards the cost of the scheme. They are therefore of the view that the scheme does not deserve reconsideration.

11. It is for orders if the M.L.A. may be informed of the position explained in the foregoing paras. Subject to approval, a draft letter is submitted.

12. The case may be circulated to M(W) with reference to his minutes extracted on p.6 ante.

What about the scheme referred to at in para 4 on pp 5-6 ante?

8V 16.4.55
8R 19/4/55

DD

Resubmitted:
It is not clear to which

was the scheme the note in para 4 on Pn. 5-6 ante refers to. A (F.P) may be requested to clarify the position

DD

11 MAY 1955 19360 PUBLIC DEPARTMENT

29-4-55 SR 29/4/55

Agri (F.P)

Agri (FP) Dept

[Last seen by this Dept at Pn 4-6 ante.

A.S

Subsequent notes of the PWD 6-10 ante may be perused. The file has come back to this dept with reference to DD Pn. 9-10 above. The PWD may be informed that the scheme referred to in para 4 on Pn 5-6 ante relates to the construction of an anicut across Shiriyar River at Bombarana in Kumbla Firka of South Kanara Dt, at an estimated cost of Rs 4/- lakhs for works or Rs 5.18 Lakhs including direct and indirect charges. The collr's report is still awaited in the matter

(A is wrong)

2) With these remarks the file may be returned to PWD

16/5/55 16/5/55

17/5/55

PWD

ASSISTANT SECRETARY TO GOVERNMENT 41574 20 MAY 1955 PUBLIC WORKS DEPARTMENT

A.S 2

PWD

Agri (FP II B) MO

19360-55-1

95-169 J/54.6

10-5-55

SECY. 12 MAY 1955